~~or any combination thereof,~~ such identified nucleotides indicating the character of the nucleic acid sequence.

Claim 10, line 1, replace "claim 9" with -- claim 1 --. YEC 7/20/09

Claim 27, (amended) A method for determining a $Na_v1.7$ haplotype in a human subject comprising identifying one or more nucleotides encoding amino acid residues ~~62, 149,~~ 641, ~~655, 739, 1123, or any combination thereof,~~ wherein the nucleotide or nucleotides indicated the haplotype.

28. (amended) A method for determining a subject's predisposition to a neurologic disorder associated with a sodium channel mutation comprising comparing the subject's $Na_v1.7$ haplotype with one or more reference haplotypes that correlate with the neurologic disorder, a similar haplotype in the subject's $Na_v1.7$ haplotype as compared to the reference haplotype or haplotypes indicating a predisposition to the neurologic disorder, wherein the reference haplotype comprises nucleotides that encode mutations which corresponds to amino acid residue 641 of human $Na_v1.7$ sodium channel alpha subunit.

REASONS FOR ALLOWANCE

3. The following is an examiner's statement of reasons for allowance: